

ABSTRACT

A fuel injector testing system has a sleeve that mechanically isolates one or more test volumes in a fuel injector. The sleeve has interfaces on an inside surface. The interfaces sealably engage the O-rings on the fuel injector. An air displacement mechanism is connected to the sleeve. The air displacement mechanism adds or removes air from the test volumes. The pressure within each test volume is checked to determine whether there is any air leakage from the test volume.